

TABLE 3-1

**SUMMARY OF MITIGATION MEASURES
Marion Road Trunk Sanitary Sewer AUAR**

Impacted Feature	Mitigation Measure(s)	Institutional Control	Responsible Entity
LAND USE (9)			
TRANSITIONAL DENSITIES	Implement City and County Zoning Code and apply Land Use Plan Policy.	City of Rochester Land Development Manual (Sec. 64.111), Olmsted County General Land Use Plan, City and County Zoning Ordinances.	Rochester- Olmsted Planning Department.
DEVELOPMENT SCENARIO TRACKING MECHANISM	GIS System - map new plats and develop a database that records the number of units (housing units or industrial/commercial square feet) in project area.	Require developers to submit electronic plats in a CAD, MicroStation or GIS format compatible with the City's software requirements.	Rochester- Olmsted Planning Department.
FISH, WILDLIFE, ECOLOGICAL RESOURCES (11)			
ENDANGERED AND THREATENED SPECIES:	Protection, avoidance, minimization, and or mitigation of impacts.	Federal Endangered Species Preservation Act of 1973, as amended in 1978, 1982, and 1988; Minnesota Statutes Chapter 84.0895; Minnesota Rules Chapter 6134; Olmsted County General Land Use Plan.	Minnesota Department of Natural resources lead. Rochester- Olmsted Planning Department implementation of mitigation measures.
WILDLIFE HABITAT	Natural resource and environmental regulations and policies.	City Urban Service Area Land Use Plan, City Zoning Ordinance, City Land Development Manual, Olmsted County General Land Use Plan.	Rochester- Olmsted Planning Department.
WETLANDS	Avoidance, minimization, and/or mitigation of impacts.	U.S. Army Corps of Engineers Section 404 of the Clean Water Act Permits; Letter of Concurrence for Nationwide Permits; Section 401 Water Quality Certification; Minnesota Wetland Conservation Act Permits.	U.S. Army Corps of Engineers. Olmsted Wetland Conservation Act Local Governmental Unit. MPCA Section 401 Certification.

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HYDRIC (WETLAND) SOILS: Indicators of possible wetland areas not included in the NWI mapping	Avoidance, minimization, and/or mitigation of impacts.	U.S. Army Corps of Engineers Section 404 of the Clean Water Act Permits; Letter of Concurrence for Nationwide Permits; Section 401 Water Quality Certification; Minnesota Wetland Conservation Act Permits.	U.S. Army Corps of Engineers. Olmsted Wetland Conservation Act Local Governmental unit. MPCA Section 401 Certification.
PHYSICAL IMPACT ON WATER RESOURCES (12)			
FLOODWAYS, 100 YEAR FLOODPLAINS, SHORELANDS:	Avoidance, minimization, and/or mitigation of impacts.	Olmsted County Floodplain Review; City zoning 62.800 Flood Districts and Intent; City Urban Service Area Land Use Map plan. Minnesota Department of Natural resources Floodplain Management and Protected Water, and Shoreland Programs. 44 CFR 60.22-Floodprone Areas, Part C; Flood Control Permit U.S. Army Corps of Engineers.	Rochester- Olmsted Planning Department. Minnesota Department of Natural Resources. U.S. Army Corps of Engineers.
FLOOD PRONE AREAS:	Avoidance, minimization, and/or mitigation of impacts.	County Conditional Use Permit.	Rochester- Olmsted Planning Department.
WATER USE (13)			
GROUNDWATER AND SURFACE WATER	City services available as described to reduce the potential for groundwater and surface water contamination posed by failing septic systems.	City WQPP to extend sanitary sewer and water to homes with failing and substandard septic systems.	City of Rochester

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GROUNDWATER AND SURFACE WATER	Appropriate well construction and abandonment to reduce potential for contamination.	All wells installed or abandoned will follow rules and regulations established by the MDH (Chapter 4725).	Minnesota Department of Health
PUBLIC WATER SUPPLY	Protection of public water supply.	Wellhead Protection Plan in preparation for area.	City of Rochester (Lead) and MDH.
GROUNDWATER AND SURFACE WATER	Appropriate dewatering methods.	Dewatering due to shallow groundwater for construction projects, if of sufficient volume.	MnDNR Water Appropriation Permit.
EROSION AND SEDIMENTATION (16) AND WATER QUALITY-SURFACE WATER RUNOFF (17)			
STORMWATER MANAGEMENT	Implement City and County Zoning Codes and apply Land Use Plan Policy.	City of Rochester Land Development Manual, Olmsted County General Land Use Plan, City and County Zoning Ordinances, <i>MPCA</i> Best Management Practices for Protecting Water Quality in Urban Areas Board of Water and Soil Resources Minnesota Construction Site Erosion and Sediment Control Planning Handbook. NPDES Phase II.	Rochester- Olmsted Planning Department. Minnesota Pollution Control Agency.
SLOPES (18-25%)	Implement City and County Zoning Codes and apply Land Use Plan Policy.	City of Rochester Land Development Manual, Olmsted County General Land Use Plan, City and County Zoning Ordinances.	Rochester- Olmsted Planning Department.
SLOPES (>26%)	Implement City and County Zoning Codes and apply Land Use Plan Policy.	City of Rochester Land Development Manual, Olmsted County General Land Use Plan, City and County Zoning Ordinances.	Rochester- Olmsted Planning Department.
EROSION CONTROL PLANS, GRADING PLAN REVIEW, SITE INSPECTION FOR ORDINANCE COMPLIANCE, NPDES PHASE II	Implement City and County Zoning Codes and apply Land Use Plan Policy.	City of Rochester Land Development Manual, Olmsted County General Land Use Plan, City and County Zoning Ordinances.	Rochester- Olmsted Planning Department.

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WATER QUALITY - WASTEWATERS (18)			
WATER QUALITY PROTECTION PROJECT/SEPTIC SYSTEM ABANDONMENT	Implement City and County Zoning Codes and apply Land Use Plan Policy.	City of Rochester Land Development Manual, Olmsted County General Land Use Plan, City and County Zoning Ordinances.	Rochester- Olmsted Planning Department. Minnesota Pollution Control Agency.
SEWER			City of Rochester Minnesota Pollution Control Agency
GEOLOGIC HAZARDS AND SOIL CONDITIONS (19)			
SINKHOLES	Implement City and County Zoning Codes and apply Land Use Plan Policy.	City of Rochester Land Development Manual, Olmsted County General Land Use Plan, City and County Zoning Ordinances.	Rochester- Olmsted Planning Department.
PROVISION OF CITY WATER/ABANDONMENT OF PRIVATE WELLS	Implement Minnesota Department of Health well construction and abandonment requirements.	Abandonment and installation of private wells per Minnesota Department of Health Rules.	Minnesota Department of Health. Rochester- Olmsted Planning Department
DECORAH EDGE	Decorah edge recommendations will be considered as part of the stewardship mitigation measures described below.	None.	Rochester- Olmsted Planning Department.

TRAFFIC (21)			
ROAD EXTENSIONS, LANE ADDITIONS AND RELATED IMPACTS	Traffic monitoring related to development as warranted and staged roadway improvements	City of Rochester Land Development Manual, Olmsted County General Land Use Plan, City and County Zoning Ordinances.	City of Rochester, Olmsted County, and Minnesota Department of Transportation.
SIGNALS	Minnesota Manual on Uniform Traffic Control Devices (MMUTCD)		Minnesota Department of Transportation
TRANSIT-Reduction in commuter traffic	Consideration of transit needs		City of Rochester, Olmsted County, and Minnesota Department of Transportation.
BIKE/PED TRAIL EXTENSIONS-Reduction in commuter traffic	Consideration of extending existing trails.	City of Rochester Park and Recreation Parkland Acquisition Plan as part of the stewardship mitigation measures identified below.	City of Rochester, Olmsted County, and Minnesota Department of Transportation.
NEARBY RESOURCES, DESIGNATED PARKS, RECREATION AREAS, OR TRAILS (25)	Parkland acquisition considerations as noted in the Stewardship mitigation measures identified this table.	City Urban Service Area Land Use Plan, City Land Development Manual (Section 64.440), and the City of Rochester Park and Recreation Parkland Acquisition Plan.	City of Rochester, Olmsted County, City of Rochester Park Department.
NEARBY RESOURCES, CULTURAL RESOURCES (25)	Cultural resource coordination with the State Historic Preservation Officer, also see Stewardship mitigation measures identified in this table.	Section 106 of the Historic Preservation Act, Minnesota Private Cemeteries Act, City Adoption of AUAR and Mitigation Plan.	State Historic Preservation Officer. Rochester- Olmsted Planning Department.
IMPACT ON INFRASTRUCTURE AND PUBLIC SERVICES (28)	Infrastructure improvements as identified in this AUAR. Parkland acquisition considerations as noted in the Stewardship mitigation measures identified this table.	City Urban Service Area Land Use Plan, City Land Development Manual (Section 64.440), and the City of Rochester Park and Recreation Parkland Acquisition Plan.	City of Rochester, Olmsted County, City of Rochester Park Department.

STEWARDSHIP ITEMS			
DATA TRANSFER	Provide information regarding natural and cultural resources to property owners, developers, and responsible entities.	City Adoption of AUAR and Mitigation Plan.	Rochester- Olmsted Planning Department.
CONSERVATION CHECKLIST	Provide information regarding natural and cultural resources to property owners, developers, and responsible entities.	City Adoption of AUAR and Mitigation Plan.	Rochester- Olmsted Planning Department.
CONSERVATION SUBDIVISION DATA	Provide information conservation subdivision design to property owners, developers, and responsible entities.	City Adoption of AUAR and Mitigation Plan.	Rochester- Olmsted Planning Department
UPDATE THE CITY OF ROCHESTER'S PARKLAND ACQUISITION PLAN	Identify floodplains and other natural areas appropriate for public land acquisition	City Adoption of AUAR and Mitigation Plan and the City of Rochester Park and Recreation Parkland Acquisition Plan.	Rochester Park Department
UPDATE THE ROCHESTER URBAN SERVICE AREA LAND USE PLAN MAP	Delineate "cultural resource" sites and environmental corridors located in the recently expanded areas of the City's Urban Service and Urban Reserve Areas	City Adoption of AUAR and Mitigation Plan.	Rochester- Olmsted Planning Department
CUMULATIVE IMPACTS	Implementation of the measures identified in this table.	City Adoption of AUAR and Mitigation Plan.	Responsible parties identified in this table.